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TITLE: CERAMIC DISPERSION AND ITS PRODUCTION METHOD
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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a ceramic dispersion capable of forming a film which easily recovers its hydrophilicity by an optical irradiation even when contaminated with a lipophilic substance, and also to provide a method for production thereof.

SOLUTION: This ceramic dispersion is produced by dispersing a dispersoid comprising a ceramic in a dispersion medium comprising an acidic aqueous medium (hydrochloric, nitric, sulfuric, phosphoric, perchloric or carbonic acid). The ceramic comprises oxides, nitrides, sulfides, oxynitrides, oxysulfides or the like of one or more metal elements such as Ti, Zr, Hf, V, Nb, Ta, Cr, Mo, W, Mn, Tc, Re, Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Cu, Ag, Au, Zn, Cd, Ga, In, Tl, Ge, Sn, Pb, Bi, La, Ce and the like. The ceramic dispersion is characterized in that the index X expressed by the formula: $X=T$

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